

REMARKS/ARGUMENTS

Favorable reconsideration of this application is respectfully requested.

Initially, applicants note that with the outstanding Office Action of May 6, 2004, a form PTO-1449 was returned based on an Information Disclosure Statement filed June 27, 2003. However, that returned form PTO-1449 apparently inadvertently did not initial reference AP cited thereon. Applicants respectfully request a new form PTO-1449 be provided that properly acknowledges consideration of reference AP.

Claims 1, 3-7, 9-13, and 15-30 are pending in this application. Claims 2, 8, and 14 are canceled by the present response without prejudice. Claims 1-22 and 30 were rejected under 35 U.S.C. §102(e) as anticipated by WO 99/09721 to Sugar et al. (herein "Sugar"). Claims 23-29 were rejected under 35 U.S.C. §103(a) as unpatentable over Sugar in view of U.S. patent 6,690,949 B1 to Shamlou et al. (herein "Shamlou").

Addressing the above-noted rejections, those rejections are traversed by the present response.

Initially, applicants note the claims are amended by the present response to clarify features recited therein.

More particularly, independent claim 1 is amended to clarify that the "radio reception unit" includes a "radio signal characteristic extractor configured to extract a characteristic of the received radio signal", and that "a conversion scheme" is selected based on the extracted characteristic. The other independent claims are similarly amended. Such subject matter is fully supported by the original specification, for example in Figure 1. As shown therein, characteristics of a received radio signal are identified prior to converting the received radio signal into a reception radio signal or decoding the reception radio signal. As shown in Figure 1, a radio signal receiver 4 receives a radio signal and a radio signal characteristic extractor 5 extracts a characteristic of the received radio signal prior to converting the

received radio signal into a reception radio signal or decoding a reception radio signal. In claim 1 a radio signal characteristic extractor is included in a radio reception unit. On the basis of the extracted characteristic of the radio signal, a conversion scheme, a demodulation scheme, a communication protocol processing scheme, or a decoding scheme can be selected.

The claimed features are believed to clearly distinguish over the teachings in Sugar, and further in view of Shamlou.

Sugar discloses a multi-mode communications terminal in which, as shown in Figure 1 therein, the characteristics of a received radio signal are identified by a digital processing section 103 after the received radio signal passes through an RF section 101 and a radio interface (I/F) 102. In Sugar the digital processing section 102 corresponds to the "reception signal processing unit" of the claims. As clearly set forth in the amended claims, the "radio reception unit" includes "a radio signal characteristic extractor" that extracts a characteristic, that extracted characteristic being utilized in the selection of a conversion scheme. Clearly that is not the case in the device of Sugar as in Sugar the extraction of a characteristic is performed by the digital processing section 103 after the received signal has passed through the RF section 101 and radio interface (I/F) 102. Thus, in Sugar a conversion scheme cannot be selected based on an extracted characteristic as in Sugar the characteristic is extracted after a conversion scheme.

In such ways, applicants respectfully submit that each of the claims distinguishes over the teachings in Sugar.

Moreover, no teachings in Shamlou are cited to teach the above-noted features in the claims as currently written, and the teachings of Shamlou are not believed to overcome the above-noted deficiencies in Sugar.

As no other issues are pending in this application, it is respectfully submitted that the present application is now in condition for allowance, and it hereby respectfully requested that this case be passed to issue.

Customer Number

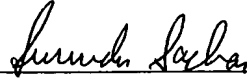
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Respectfully submitted,

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